G 1396755-?
LEO J. HICKEY
DIV. PALEOBOTANY
SMITHSONIAN INST
WASHINGTON
D.C. 20560

YY

1975

UNITED STATES
DEPARTMENT OF THE INTERIOR

DI-6

REVISED DECEMBER 1965

Stipule area of previous metaxylem at leaf gap
Vasc. from leaf state

Hagelman, K. 1967
Bemerkungen zur Entwicklung und Differenzierung des Fiederblattes und der Fiederpaarbildung von Begonia dichotoma Jung. n-
Sonderabr. aus Z. ed. für Pflanzenphys
nr. 57, H 1 26-45.

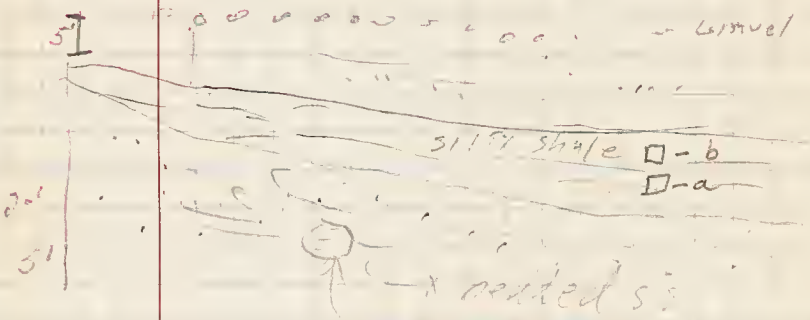
Stipule reference.

Hebding F., 1967, Nebenblattbildungen als systematisches Merkmal. Naturwissenschaftliche Rundschau. 20: 518-525
" 1958, Die Bedeutung blattmorphologischer Untersuchungen für die Systematik. Bot. Jb. 77: 458-468

1 mo. brain age

751 Fort Belvoir SE side of Pin-
Clay or xbedded SS
Lucy Force 365

Pollen 751 a lower
751 b 3 feet higher



Ferns Anemia
Angios? Sapindopsis?

752 Annandale Quad SW RF&P RR
Just 1/4 mi W of Beltway

50' Section of Grey & Tan
SS & clays. Clay 40' from
base med grey, slickensided,
cracked
Badly Broken

Annandale
703 Loisdale Estates Cut

Mostly sand & silt
lt. grey silic lignite
few clay balls (silty) w/
lignitic frags.

No pollen no megas.

Belvoir Quad.

754 Backlick Road x K.F.&P. RR.

E. side

yellowish grey clay

from clay pod

1/2 way up slope

pod is 10 x 5' 10 ft. ST.

April 23, 1973 Near x warm

755 West Brothers Clay Pit

now Capitol Clay Products

Sheriff Road, Tuxedo Colony

Md

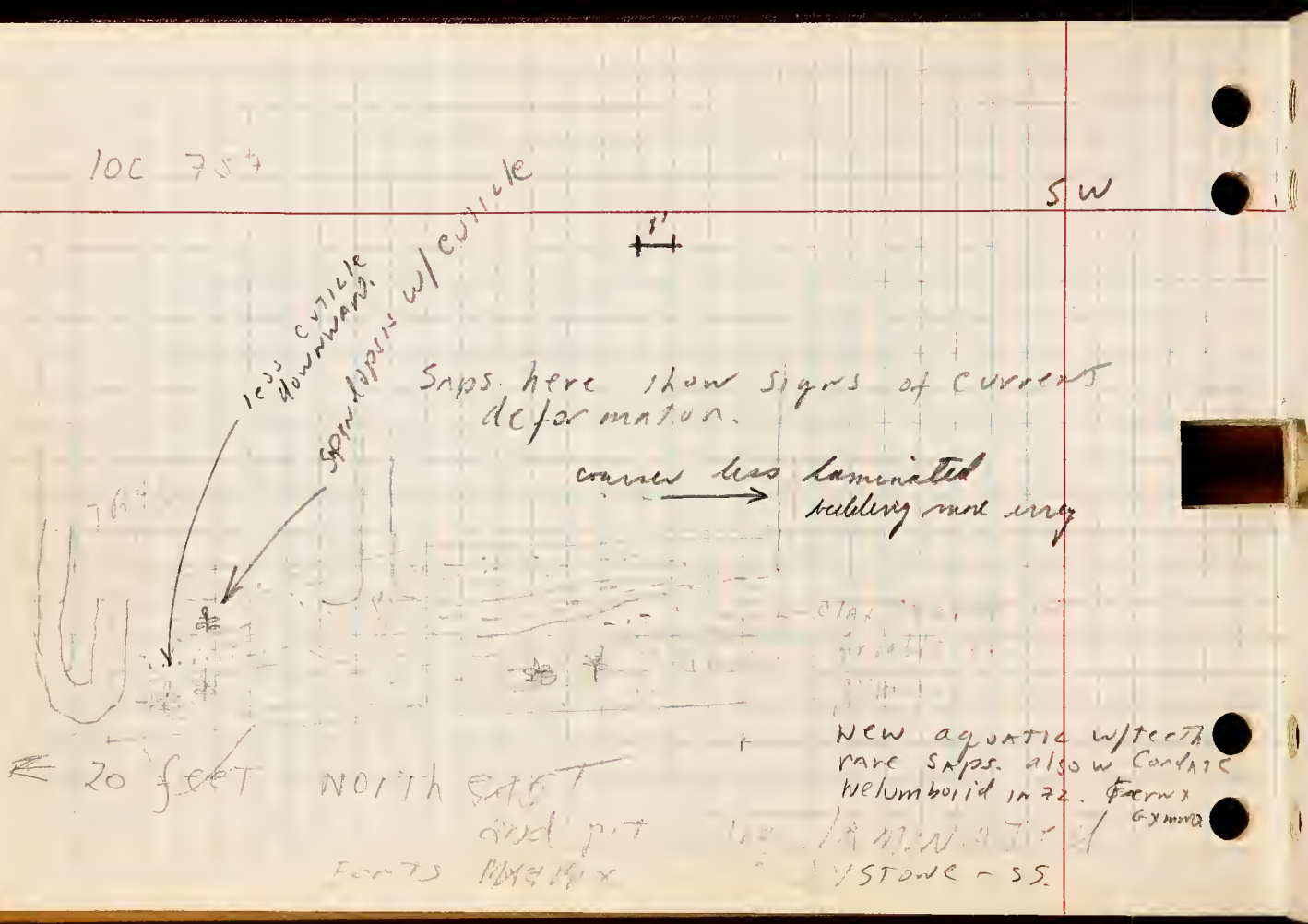
L. Hickey
J. McClammer
M. Bartosiewicz
C. Singer
E. Romero

May 29, 1971

756 Cut at Stafford.

Conifer Cone

Spruce, Fir
Pine, Larch


loc 757
SW
1'
less cycle downward
spreadouts w/ cycle
Snps. here show signs of current deformation.
coarser less laminated
bedding more irreg
20 feet NORTH EAST
end pit
NEW aquatic w/teeth
rare snps. also Conulate
Helumboid in 72. Fern x
LAMINATED
YSTONE - SS.

757

Mudstone in SS. laminae

- Sapindopsis
- Fern like. conifer
- Ginkgophyllum
- Protophyllum or Pt. Fl.

laminations abt 2 mm apart

Sapindopsis occurs here w/ only rare conifers but w/ ock. stubs and pieces of charcoal.

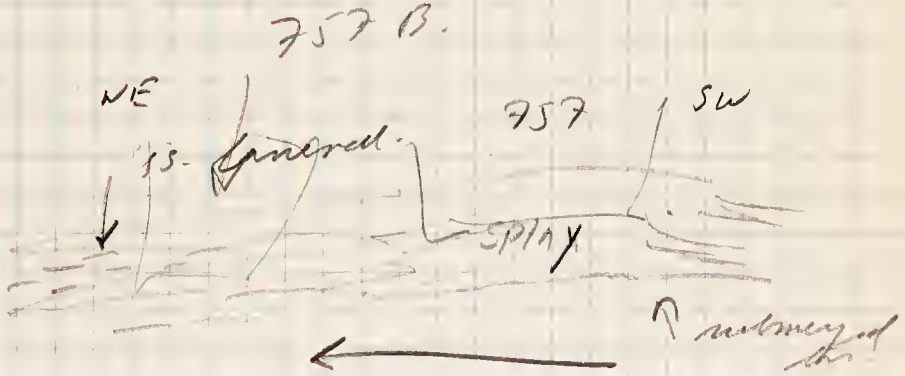
In first pit clay not bedded. Internally clay - ss. bds rather irregular in form of interpenetrating stringers. Bits of clay abd ss. frequently included just above and below body in ock rock.

Toward SW in first pit the lithology is almost entirely ss. w stringers of clay

Bottle aquatics w/ tuff and pyrant as well as the sand & cydatis & Plumbongulae? Fenestra trended SW and on fork of pit paralleling str. trends to the north almost entirely so.

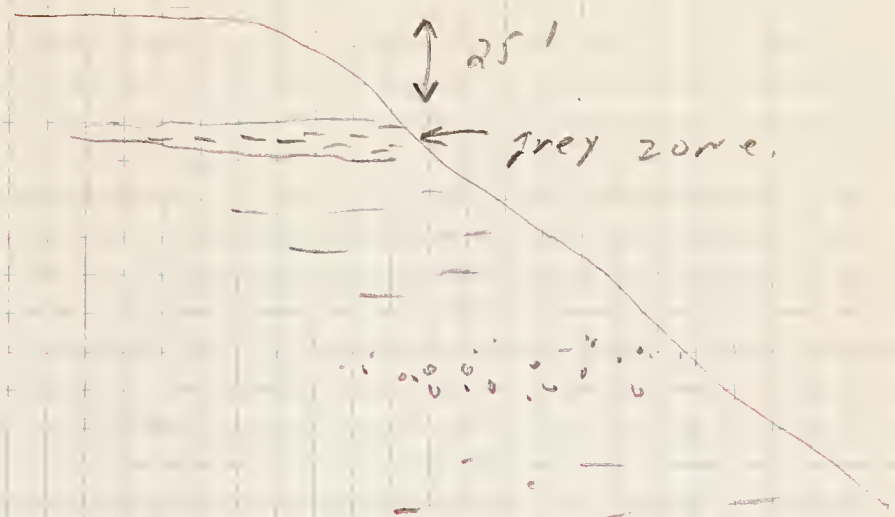
To NE about 20 feet a 2nd pit was developed in a siltstone showing bedding fracture and ~~laminae~~ 11 laminations ~~of~~ ~~ss~~. Which appeared facing in this direction Here very complete Lagendopsis w/ pinnel stalks appeared pyrant present showing tuff current deformation.

Also fronds here, and Annulolaminopolydium. Could this be frond detail ~~on~~ splay around the interbranch axis



dec. 50 usi
ini laminatum
fuss curvum dyn.
flexum, dorsi lin.
anti tech.

757.



7x58 "Bladensburg" of Brewster

Sample from grey zone 25' from top of hill e/Bowing Petroleum
2 II 1

759 Patuxent Formation
"Triska Lane Site"

"PATUXENT"

Ferns from laminated clay
1 silt bed about 2"
above 3' clay bed of
cones & needles. Previous
[illegible] bed 25' down from
& 3 1/2 feet above
[illegible] clay

From Darton's map site is
97' above xlincs

7510 NW Branch of Anacostia River
at Queens Chapel Road, spectrum.

Large Beds of Potomac
Grey clays, mudstones
sands nr
with large ~~amount of~~
Carbonized logs
Large & abundant
One Core found by Amateur

Smyth & Ball x bedding.
— ~~x~~ plates.

From Darton's Map
Site is 60' above x lines